

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An electron-emitting element comprising:
an electric field applying portion ~~composed of~~comprising a dielectric;
a first electrode formed on ~~one a~~ surface of ~~this~~said electric field applying portion; and
a second electrode formed on ~~said one~~ surface of the said electric field applying portion; and
~~forming a slit~~ formed in cooperation with said first electrode.
2. (Cancelled).
3. (Currently Amended) An electron-emitting element according to claim 1, further comprising a third electrode ~~arranged at a certain space to~~spaced a distance from said first and said second electrodes, wherein said space between said first and second electrodes and said third electrode ~~is~~comprises a vacuum.
4. (Currently Amended) An electron-emitting element comprising:
an electric field applying portion ~~composed of~~comprising at least one of a piezoelectric material, an electrostrictive material and an antiferroelectric material;
a first electrode formed on ~~one a~~ surface of ~~this~~said electric field applying portion; and
a second electrode formed on ~~said one~~ surface of the said electric field applying portion; and
~~forming a slit~~ formed in cooperation with said first electrode.

5. (Cancelled).
6. (Currently Amended) An electron-emitting element according to claim 4, further comprising a third electrode ~~arranged at a certain space to~~spaced a distance from said first and said second electrodes, wherein said space between said first and second electrodes and said third electrode is comprises a vacuum.
7. (Currently Amended) An electron-emitting element according to claim 6, wherein said electric field applying portion also acts an actuator and controls ~~the a~~ quantity of emitted electrons by ~~the a~~ displacement motion of said electric field applying portion.
8. (Currently Amended) An electron-emitting element according to claim 3, further comprising:
a voltage source for applying a direct offset voltage to said third electrode; and
a resistor arranged in series between ~~this~~said voltage source and said third electrode.
9. (Previously Presented) An electron-emitting element according to claim 1, wherein a pulse voltage is applied to said first electrode and a direct offset voltage is applied to said second electrode.
10. (Previously Presented) An electron-emitting element according to claim 1, further comprising a capacitor arranged in series between said first electrode and said voltage source.
11. (Currently Amended) An electron-emitting element according to claim 1, further comprising a fourth electrode formed on the other surface of said electric field applying portion and facing ~~to~~ said first electrode.

12. (Original) An electron-emitting element according to claim 11, wherein a pulse voltage is applied to said fourth electrode and a direct offset voltage is applied to said second electrode.

13. (Previously Presented) An electron-emitting element according to claim 1, further comprising a resistor arranged in series between said second electrode and a direct offset voltage source.

14. (Currently Amended) An electron-emitting element according to claim 1, wherein said electric field applying portion has ~~the~~ a relative dielectric constant of not less than 1000.

15. (Previously Presented) An electron-emitting element according to claim 1, wherein said slit has a width of not more than 500 μ m.

16. (Previously Presented) An electron-emitting element according to claim 1, wherein at least one of said first electrode and said second electrode has an angular part with an acute angle.

17. (Previously Presented) An electron-emitting element according to claim 1, wherein said first electrode and said second electrode each have carbon nanotubes.

18. (Currently Amended) A field emission display comprising:
a plurality of electron-emitting elements arranged in two dimensions; and
a plurality of phosphors each being arranged with a certain space to each of ~~these~~
said electron-emitting elements;
wherein each of said electron-emitting elements ~~having~~ comprises:
_____ an electric field applying portion ~~made of~~ comprising a dielectric;

_____ a first electrode formed on ~~one~~ a surface of ~~this~~ said electric field applying portion; ~~and,~~

_____ a second electrode formed on said ~~one~~ surface of the said electric field applying portion, and

_____ ~~forming~~ a slit formed in cooperation with said first electrode.

19. (Cancelled).

20. (Currently Amended) A field emission display according to claim 18, wherein a third electrode is arranged on the ~~opposite~~ surface to ~~opposing~~ a surface of each of said phosphors facing said first and second electrodes, ~~and the~~ wherein said space between said first and second electrodes and said phosphor ~~is~~ comprises a vacuum.

21. (Currently Amended) A field emission display comprising:
a plurality of electron-emitting elements arranged in two dimensions; and
a plurality of phosphors each being arranged with a certain space to each of ~~these~~ said electron-emitting elements;

wherein each of said electron-emitting elements ~~having~~ comprises:

_____ an electric field applying portion ~~composed of~~ comprising at least one of a piezoelectric material, an electrostrictive material and an antiferroelectric material;

_____ a first electrode formed on ~~one~~ a surface of ~~this~~ said electric field applying portion; ~~and,~~

_____ a second electrode formed on said ~~one~~ surface of the said electric field applying portion, and

_____ ~~forming~~ a slit formed in cooperation with said first electrode.

22. (Cancelled).

23. (Currently Amended) A field emission display according to claim 21, wherein a third electrode is arranged on the opposite surface to a surface of each of said phosphors facing said first and second electrodes, ~~and the~~ wherein said space between said first and second electrodes and said phosphor is comprises a vacuum.

24. (Currently Amended) A field emission display according to claim 23, wherein said electric field applying portion also acts as an actuator and controls ~~the a~~ quantity of emitted electrons by ~~the a~~ displacement motion of said electric field applying portion.

25. (Currently Amended) A field emission display according to claim 20, wherein each of said electron-emitting elements comprises:
a voltage source for applying a direct offset voltage to said third electrode; and
a resistor arranged in series between ~~this said~~ voltage source and said third electrode.

26. (Previously Presented) A field emission display according to claim 18, wherein a pulse voltage is applied to said first electrode and a direct offset voltage is applied to said second electrode.

27. (Previously Presented) A field emission display according to claim 18, wherein each of said electron-emitting elements further comprises a capacitor arranged in series between said first electrode and said voltage signal source.

28. (Currently Amended) A field emission display according to claim 18, wherein each of said electron-emitting elements further comprises a fourth electrode being formed on the other surface of said electric field applying portion and ~~opposite~~ teopposing said first electrode.

29. (Original) A field emission display according to claim 28, wherein a pulse voltage is applied to said fourth electrode and a direct offset voltage is applied to said second electrode.

30. (Previously Presented) A field emission display according to claim 18, wherein each of said electron-emitting elements further comprises a resistor arranged in series between said second electrode and said direct offset voltage source.

31. (Currently Amended) A field emission display according to claim 18, wherein said electric field applying portion has ~~the~~ a relative dielectric constant of not less than 1000.

32. (Previously Presented) A field emission display according to claim 18, wherein said slit has a width of not more than 500 μ m.

33. (Previously Presented) A field emission display according to claim 18, wherein at least one of said first electrode and said second electrode has an angular part with an acute angle.

34. (Previously Presented) A field emission display according to claim 18, wherein said first electrode and said second electrode each have carbon nanotubes.

35. (Previously Presented) A field emission display according to claim 18, further comprising a substrate having a plurality of electron-emitting elements arranged in two dimensions and formed into one body with each other.